

BOND CALCULATIONS

City of Franklin Engineering Department

DEVELOPMENT: _____

BY: _____

NO. LOTS / UNITS: _____ SFUE's= _____

DATE: _____

7/1/2011



<u>SURETY DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>TOTAL</u>
I. WATER: (No bond if MVUD or other district's water)				
4" MAIN (4" not included in inspection fees)	0	LF	\$55	\$0
6" MAIN	0	LF	\$60	\$0
8" MAIN	0	LF	\$65	\$0
10" MAIN	0	LF	\$70	\$0
12" MAIN	0	LF	\$80	\$0
16" MAIN	0	LF	\$100	\$0
FIRE HYDRANT	0	EA	\$3,000	\$0
			TOTAL WATER =	\$ -
			(Min. \$10,000)	
			1.10 X Total	\$ -
			ROUNDED	\$ -
TOTAL LF WATER (For inspection fee cost)	\$ -	LF		
II. SEWER:				
8" MAIN	0	LF	\$135	\$0
10" MAIN	0	LF	\$145	\$0
12" MAIN	0	LF	\$155	\$0
15" MAIN	0	LF	\$175	\$0
18" MAIN	0	LF	\$190	\$0
4' DIAMETER MANHOLES	0	EA	\$2,800	\$0
FORCE MAINS (Use water main pricing)	0	LF	SIZE _____ \$ _____	
PUMP STATIONS	0	GPM	\$1,500	\$0
			TOTAL SEWER =	\$0
			(Min. \$10,000)	
			1.10 X Total	\$0
			ROUNDED	\$0
TOTAL LF Sewer (For inspection fee cost)		LF		
V. STREETS: (Includes private streets)				
12' WIDE PVMN'T	\$0	LF	\$65	\$0
16' WIDE PVMN'T	0	LF	\$85	\$0
20' WIDE PVMN'T	0	LF	\$110	\$0
22' WIDE PVMN'T	0	LF	\$120	\$0
24' WIDE PVMN'T	0	LF	\$130	\$0
30' WIDE PVMN'T	0	LF	\$160	\$0
32' WIDE PVMN'T	0	LF	\$172	\$0
36' WIDE PVMN'T	0	LF	\$195	\$0
38' WIDE PVMN'T	0	LF	\$205	\$0
48' WIDE PVMN'T	0	LF	\$260	\$0
64' WIDE PVMN'T	0	LF	\$345	\$0
TOTAL LENGTH STREETS =	0	LF		
EXTRUDED CONCTETE CURB	0	LF	\$10	\$0
MONOLITHIC CURB & GUTTER	0	LF	\$20	\$0
TEMP TURNAROUNDS	0	EA	\$20,000	\$0
			TOTAL STREETS	\$ -
			(Min. \$10,000)	
			1.15 x TOTAL	-
			ROUNDED	\$ -
TRAFFIC / STREET SIGNS, ETC. (15% of Total)		LS		

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VI. STREET ACCESS BOND <i>(Separate Bond)</i>	0	EA	\$6,000	\$0
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VII. SIDEWALKS: <i>(5' Wide - Separate Bond)</i>	0	LF	\$14	\$0
<i>(Sidewalks are not bonded on commercial plats. They are bonded separately with each site plan.)</i>			ROUNDED	\$0
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VIII. DRAINAGE:				
BIORETENTION	0	SF	\$12	\$0
DETENTION	0	CY	\$75	\$0
CULVERTS (15", 18" & 21")	0	LF	\$80	\$0
CULVERTS (24" & 30")	0	LF	\$110	\$0
CULVERTS (36" & 42")	0	LF	\$180	\$0
CULVERTS (48" & 54")	0	LF	\$270	\$0
CULVERTS (60")	0	LF	\$320	\$0
CULVERTS (72")	0	LF	\$460	\$0
BOX CULVERT/S ____ @ ____' X ____'	0	LF	\$____ <i>(Est.)</i>	
HEADWALLS, ETC.				
15", 18", 21" & 24"	0	EA	\$1,500	\$0
30" & 36"	0	EA	\$2,100	\$0
42" & 48"	0	EA	\$3,000	\$0
54", 60" & 72"	0	EA	\$5,300	\$0
SINGLE INLET/JUNCTION BOX	0	EA	\$2,200	\$0
DOUBLE INLET	0	EA	\$3,200	\$0
SAFETY GRATES	0	EA	\$1,200	\$0
DITCH WORK	0	LF	\$40	\$0
		TOTAL DRAINAGE		0
		<i>(Min. \$10,000)</i>		
EROSION/SILTATION CONTROL <i>(15% of Total)</i> _____	LS	1.15 x Total Drainage		0
		ROUNDED	\$	-
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IX: ITS ELEMENTS				
3" CONDUIT UNDER SIDEWALK	0	LF	\$25	\$0
3" CONDUIT UNDER PAVEMENT	0	LF	\$100	\$0
3" CONDUIT IN NON-PAVED AREA	0	LF	\$15	\$0
FIBEROPTIC PULL BOX (300-400' APART)	0	EACH	\$700	\$0
36-STRAND SM FIBER OPTIC CABLE	0	LF	\$6	\$0
CCTV CAMERA, POLE AND CABINET	0	EACH	\$55,000	\$0
DYNAMIC MESSAGE SIGN (LARGE)	0	EACH	\$80,000	\$0
DYNAMIC MESSAGE SIGN (REGULAR)	0	EACH	\$60,000	\$0
WEATHER MONITORING STATION	0	EACH	\$30,000	\$0
SIGNAL SYSTEM DETECTORS (2-WAY)	0	EACH	\$7,000	\$0
SIGNAL CONTROLLER W/ F.O. MODEM	0	EACH	\$5,000	\$0
<i>Above elements per MTPU Amendment approved 1/26/06.</i>		TOTAL ITS ELEMENTS	\$	-
CONTINGENCY <i>(10% of Total)</i> _____	LS	1.10 x Total ITS		\$0
		ROUNDED	\$	-

UPDATED: July 1, 2011 TI

COMMENTS: